

Type a plus sign (+) inside this box [ + ]

Approved for use through 9/30/98  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/01 (8/96)  <b>DECLARATION</b>  Declaration                      OR                      Declaration <input type="checkbox"/> Submitted with <input type="checkbox"/> Submitted after Initial Filing                                      Initial Filing	Attorney Docket Number	3282-00026
	First Named Inventor	Donn R. Dresselhuys
	<b>COMPLETE IF KNOWN</b>	
	Application Number	
	Filing Date	
	Group Art Unit	
	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ELECTRONIC ELECTRIC METER FOR NETWORKED METER READING

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 5 September 1997

as United States Application Number or PCT

International Number PCT/US97/15728  
(if applicable).

and was amended on (MM/DD/YYYY)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority sheet attached hereto:

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	Additional provisional <input type="checkbox"/> Application numbers are listed on a supplemental priority sheet attached hereto.

Type a plus sign (+) inside this box [+]

### DECLARATION

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s), or §365© of any PCT international application designated the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States of PCT International application in the manner provided by the first paragraph of Title 35, United States Code §112. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
	PCT/US97/15728	September 5, 1997	

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority sheet attached hereto.

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Name	Registration Number	Name	Registration Number
Glenn O. Starke	17,031	Edward R. Williams, Jr.	36,057
Eugene R. Sawall	17,431	Joseph D. Kuborn	40,689
Daniel D. Fetterley	20,323	William K. Baxter	41,606
George H. Solveson	25,927	William L. Falk	27,709
Gary A. Essmann	29,376		
Thomas M. Wozny	28,922		
Michael E. Taken	28,120		
Joseph J. Jochman, Jr.	25,058		
Andrew S. McConnell	32,272		

☐ Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.

☒ Please direct all correspondence to: Name William K. Baxter

Address Andrus, Scales, Starke & Sawall, LLP

Address 100 East Wisconsin Avenue, Suite 1100

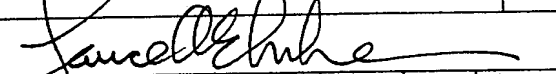
City Milwaukee State Wisconsin Zip 53202-4178

Country United States Telephone (414) 271-7590 Fax (414) 271-5770

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Family Name or Surname
LANCE A.	EHRKE

Inventor's Signature 	Date 2/23/99
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RESIDENCE - City Brookfield	State WI	Country USA	Citizenship USA
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POST OFFICE ADDRESS 18305 Bennington Drive	City Brookfield	State WI	Zip 53045	Country USA
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City Brookfield	State WI	Zip 53045	Country USA
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☒ Additional inventors are being named on supplemental sheet(s) attached hereto.

Please type a plus sign (+) inside this box [ + ]

<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet
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<b>Name of Additional Joint Inventor, if any:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
KIMBEL A.				NAP			
Inventor's Signature		<i>Kimbel A. Nap</i>		Date		2/23/99	
RESIDENCE: City		Glendale		State		WI	
				Country		USA	
POST OFFICE ADDRESS		6220 Sunny Point Road					
City		Glendale		State		WI	
				Zip		53217	
				Country		USA	

<b>Name of Additional Joint Inventor, if any:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
DONN R.				DRESSELHUYS			
Inventor's Signature		<i>Donn R. Dresselhuys</i>		Date		2/23/99	
RESIDENCE: City		Shorewood		State		WI	
				Country		USA	
POST OFFICE ADDRESS		3565 North Lake Drive					
City		Shorewood		State		WI	
				Zip		53211	
				Country		USA	

<b>Name of Additional Joint Inventor, if any:</b>				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature				Date			
RESIDENCE: City				State			
				Country			
POST OFFICE ADDRESS							
City				State			
				Zip			
				Country			

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
Group Art Unit 2635

In re

Patent Application of

Lance A. Ehrke, et al.

Application No. 09/242,792

Confirmation No. 1516

Filed: February 23, 1999

Examiner: Albert Kang Wong

"ELECTRONIC ELECTRIC METER  
FOR NETWORKED METER READING"

REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Silver Spring Networks, Inc. ("Assignee"), a Delaware corporation, being the owner of all right, title and interest in the above-identified patent application by virtue of:

Assignment from Lance A. Ehrke, Kimbel A. Nap and Donn R. Dresselhuys to Innovatec Communications, LLC, Reel 10457 and Frames 621-624, recorded on December 23, 1999;

Assignment from Innovatec Communications, LLC to St Andrews Acquisitions, LLC, Reel 13211 and Frame 881, recorded on August 20, 2002; and

Assignment from St Andrews Acquisitions, LLC to Silver Spring Networks, Inc., signed August 13, 2002, copy attached.

hereby revokes all powers of attorney previously granted in connection with said patent application and hereby appoints the registered practitioners associated with the customer number identified below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Customer Number



23409

PATENT TRADEMARK OFFICE


The undersigned hereby states that the evidentiary documents have been reviewed, and certifies that, to the best of Assignee's knowledge and belief, title is in Assignee and that the undersigned is an officer of Assignee and has authority to execute this document on behalf of Assignee.

Please send all further correspondence to:

Thomas A. Miller  
Michael Best & Friedrich LLP  
100 East Wisconsin Avenue  
Milwaukee, Wisconsin 53202-4108  
Telephone: (414) 271-6560

Silver Spring Networks, Inc.

Dated: December 12, 2002

  
Thomas F. Schrader  
Chief Operating Officer

File No.: 086485-9002-00

## ASSIGNMENT

WHEREAS, St Andrews Acquisitions, LLC, a Wisconsin limited liability company (the "Assignor") owns the rights to certain patents and trademarks;

WHEREAS, Silver Spring Networks, Inc., a Delaware corporation (the "Assignee") owns all of the issued and outstanding membership interests of Assignor and is the corporate parent of Assignor; and

WHEREAS, Assignor desires to assign its patents and trademarks to Assignee;

NOW THEREFORE, for good and valuable consideration, the adequacy of which is hereby acknowledged, Assignor does hereby assign unto Assignee and Assignee's legal representatives, successors, and assigns, the entire right, title, and interest in and to the inventions, applications and the letters patent, both of the United States and of other countries, set forth on the attached Schedule A and the trademark registrations, trademark applications, common law trademarks and goodwill associated therewith, both of the United States and of other countries, set forth on the attached Schedule B.

UPON SAID CONSIDERATION, Assignor does hereby covenant with Assignee that Assignor will not execute any writing or do any act whatsoever conflicting with this Assignment, and that Assignor will, at any time upon request, without further or additional consideration, but at the expense of Assignee, execute such additional assignments and other writings and do such additional acts as Assignee may deem necessary or desirable to perfect Assignee's enjoyment of this Assignment, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

\* \* \* \* \*

IN WITNESS WHEREOF, the undersigned have executed this Assignment to be effective as of August 13, 2002.

**ASSIGNOR:**

**ASSIGNEE:**

ST ANDREWS ACQUISITIONS, LLC

SILVER SPRING NETWORKS, INC.

By: 

Jack Thompson, Manager

By: \_\_\_\_\_

Keith Burge, President

IN WITNESS WHEREOF, the undersigned have executed this Assignment to be effective as of August 13, 2002.

**ASSIGNOR:**

**ASSIGNEE:**

**ST ANDREWS ACQUISITIONS, LLC**

**SILVER SPRING NETWORKS, INC.**

By: \_\_\_\_\_  
Jack Thompson, Manager

By:  \_\_\_\_\_  
Keith Burge, President



**Schedule A**  
**List of Patents**

**Title:** Improved Meter for Measuring Volumetric Consumption of a Commodity

**Country:** USA

**Inventors:** Donn Dresselhuys, Kimbel Nap and Lance Ehrke

**Patent Number:** 5,659,300

**Issue Date:** 3/19/97

**Summary:** This patent covers the inductive coupling between a meter located in a pit and an antenna mounted to a pit lid.

**Title:** Automatic Meter Reading Data Communication System

**Inventors:** Donn Dresselhuys, Kimbel Nap and Lance Ehrke

**Country:** USA

**Patent Number:** 6,246,677

**Issue Date:** June 12, 2001

**Country:** Mexico

**Serial Number:** 992134

**Filing Date:** 3/4/99

**Country:** Canada

**Serial Number:** 2264796

**Filing Date:** 3/3/99

**Country:** Europe

**Serial Number:** 97940306.9

**Filing Date:** 3/31/99

**Country:** Japan

**Serial Number:** 512892/1998

**Filing Date:** 3/30/99

**Summary:** This patent covers the interface management unit (IMU) and the way the IMU attaches to a meter and transmits information to a gateway unit.

**Title:** Electronic Electric Meter for Networked Meter Reading

**Inventors:** Donn Dresselhuys, Kimbel Nap and Lance Ehrke

**Country:** USA

**Serial Number:** 09/342,742

**Filing Date:** 2/23/99

Country: Mexico  
Serial Number: 992132  
Filing Date: 3/4/99

Country: Canada  
Serial Number: 2264913  
Filing Date: 3/3/97

Country: Europe  
Serial Number: 97940881.2  
Filing Date: 3/31/99

Country: Japan  
Serial Number: 3119684/1958  
Filing Date: 3/30/99

Summary: This patent covers the electronic electric meter and the communication methods to the gateway node and between the electric meter and possible gas and water meters.

Title: Flush Mounted Pli Lid Antenna

Inventors: Kimbel Nap and Eric Drenschuys

Country: USA  
Serial Number: 09/791,372  
Filing Date: 2/23/01

Summary: This patent will cover a pli lid antenna that is flush with the top of a pli lid while still allowing for an acceptable broadcast range.

Patent No.	Issue Date
6,369,769	04/09/2002
6,246,677	06/12/2001
5,659,300	08/19/1997

**Schedule B**

**List of Trademarks**

Trademark Number	Issue/Filing Date
AXISPORTAL 2,560,280	04/09/2002
AXISPATH 2,557,288	04/02/2002
AXISGATE 76/118,561	08/29/2000
POWERPOINT 76/118,558	08/29/2000
INTERFACE MANAGEMENT UNIT 76/118,559	08/29/2000
INNOVATEC 2,281,957	09/28/1999